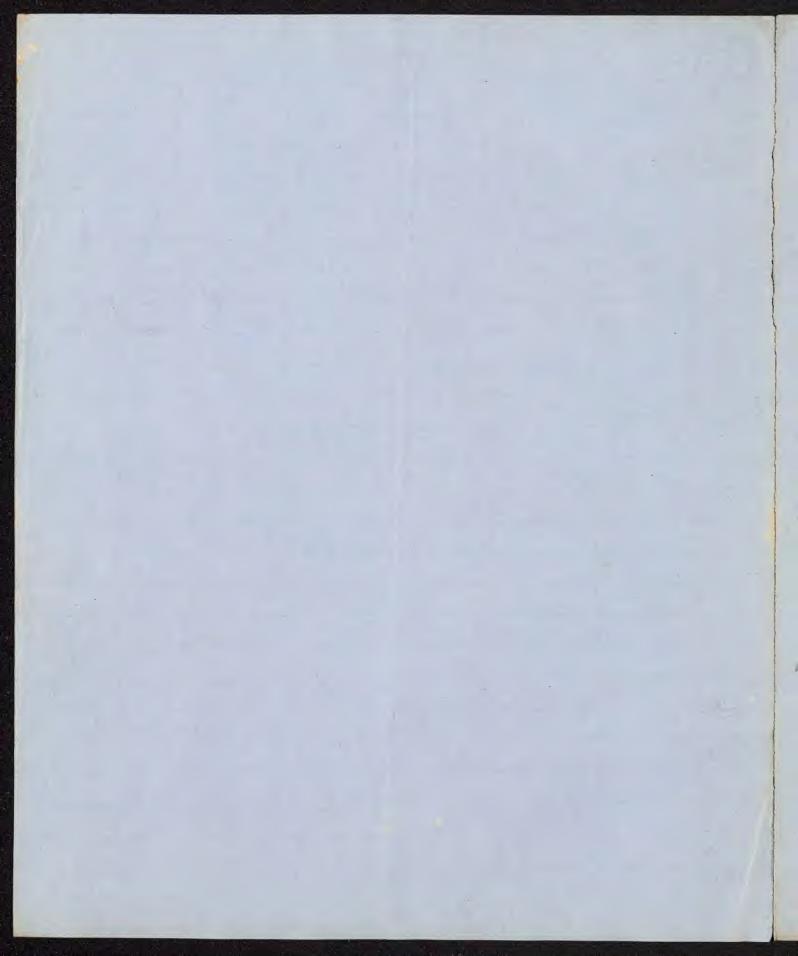
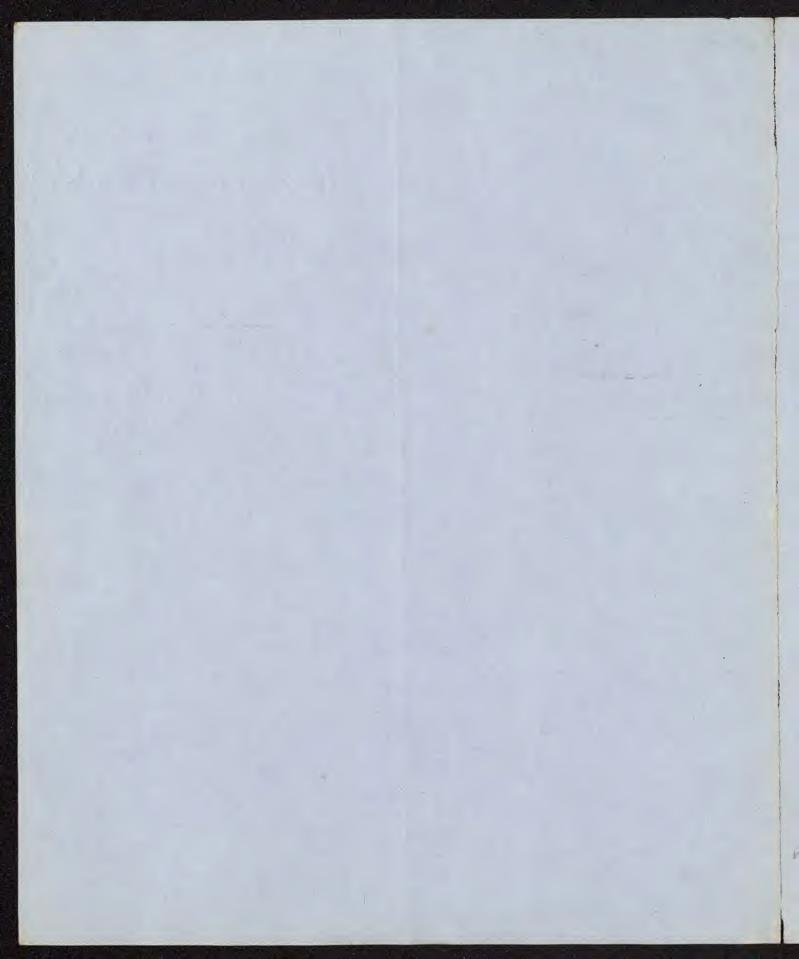
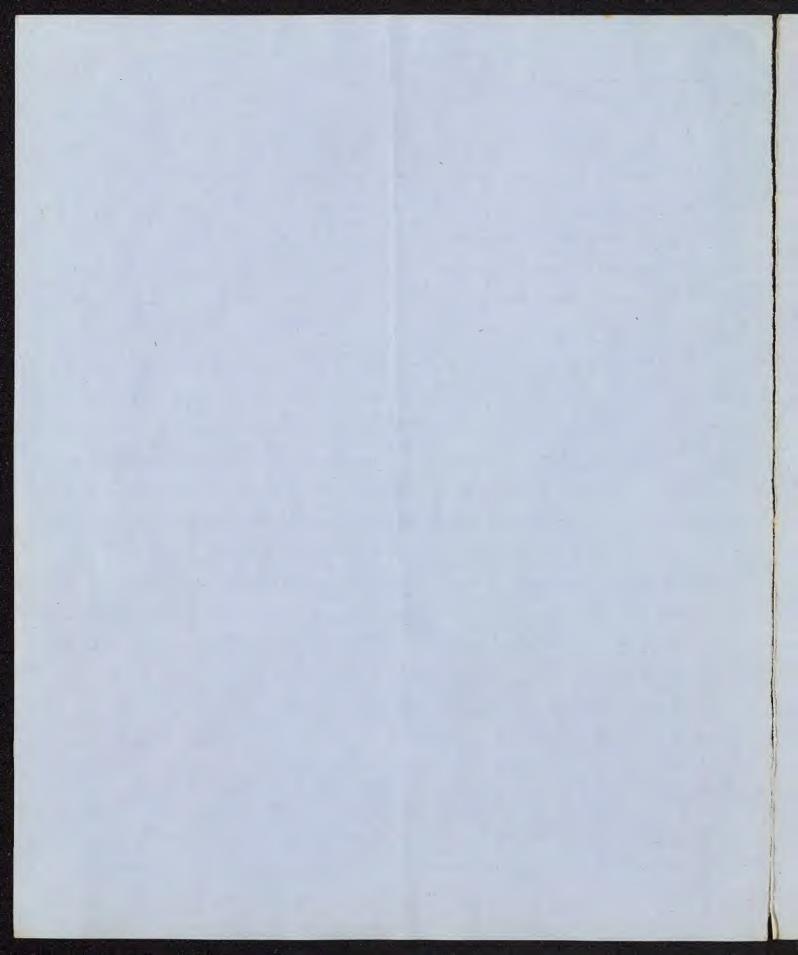
1854-10-19 Throonetary - 1857, -5. Do I meet you have tonight? Lentlemen why Now Har with the gunta that for young men AND yearly getters in the metical halls of the city; - gentlemen, - most often the chosen men of Their neighborhoods, - from the Loute, - & The north - De The East, & the west from one quarter of our vist continuet. of formy times, - whose norms has made philadelphia the quant medical with a veneration, ba hope, that Tomething of the atmosphen of get meness mating the mass your ments



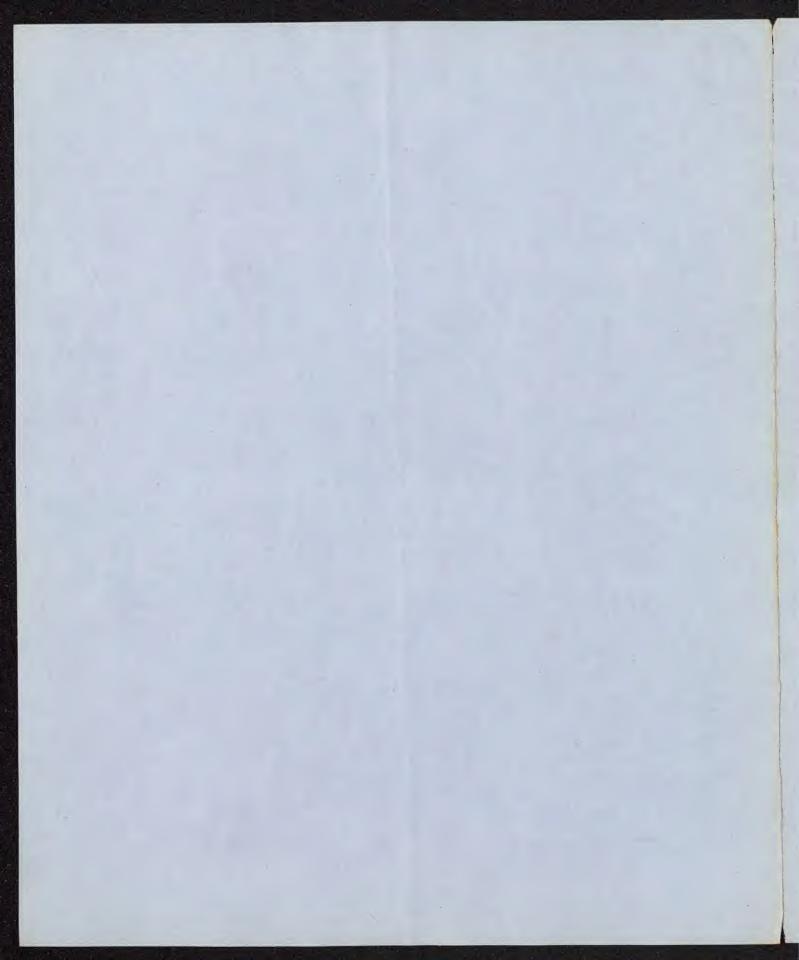
and give you de gift of healing, which you may take with you, I so Do mayvellous Things at home? - Whennet better this to these for the era of hero- worthip so over; perhaps too soon, but I has gone. No Corner Das Superstition Congle around for less dos the great names of Science now win polyrims to their graves for worthis Take. And although, Therefore, I almost within the reach of my voice, nest the remains of a Rhysike, a Physick, a Wister, a Kuhn, a Parist, backapman, lothers, compens, mit The yet not for this Do you gather near their former homes, - unless from fragments Heis spirit, be thought to have fallen when I to animate those who follow with their tasks.



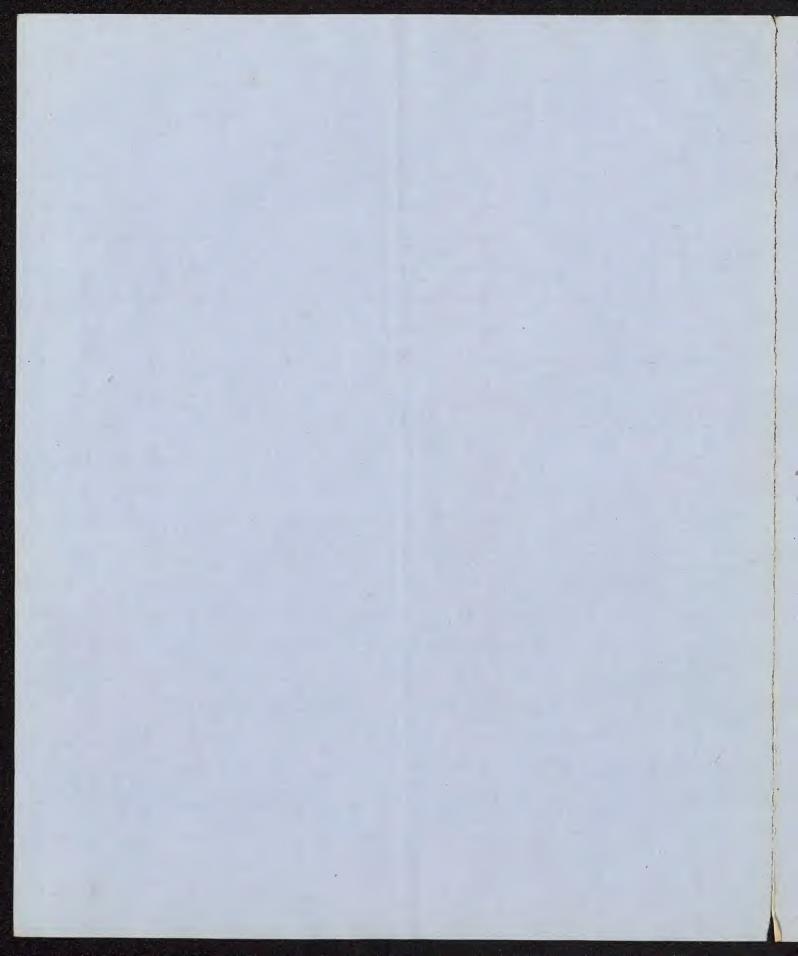
Mou come guillenes upor a most rational errand: as to an armory, where you and blecome armed and equipped, for the conflict with the great enemies & destructive pursuers of the human race; dystates pain agent hybrinit, feathern and Death. Mon come not to find here mour ready hand 5 all the polished It sharpened weapons for This complete, - but with your on how to Dig the multill ore out of the earth, when we quite you, -It to refine No adjust I finish it yourselves, till like Wathelmed and booter knight of me Out you soldiers for the army of health & metrome, or, you are come as to The have been digging for inhile before you, - for he medical man is forever



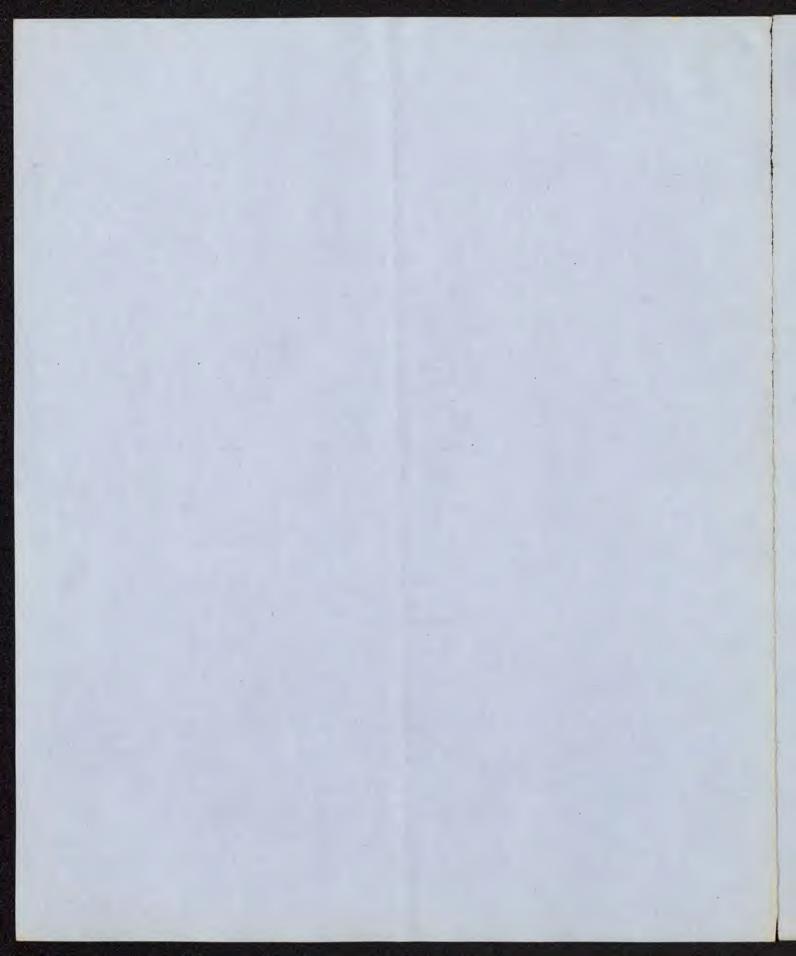
a Thooart; and, much more can me at you - let me assure you ~ Allthon by direction when and how Some quarty vend may be worked to great the pure greams of the sand of some heavy Dust portholioss, - Than by any Simple Contributions from our om accumulated priles. you must work. for without much labor their is no knowledge. are longe, - vita breves out how many Centuries) - may for honounds of years, hus the slow mend - craft of strongheaded the stone of medical knowledge but collateral science; can any me more grash it in a day - or a rear, - may be life time, or ten life-time,



If he hat Them? There is a boundless.
- ness in the actual reach of human knowley. whit may leave to any mind - Lower ambitions of exertion ample room werge mongs for its ambition. But, gentlemen, there is another reason why we must booker; - borty in our what we care must be by the frest of our own browns. (This reason is) because our science is not perfect. Let no man begin the Streety with the Supposition that it is perfect. I would rather, so that you may estimate the character of you he abstacles you will meet, not only at the beginning, but in the faull tide of your career, - give your some



brief evidence of its imperfection, by telling you of some thing which or, Medicine, manifestly wants, and wants to other. Ir needs hen, - to enter it made upon the Catalogue, - more science & faloutations - bless empiricism; more certainty of Calculations - bless conjecture; allow me to explain these assertions, Observation, - which to the trees of empericion, that the simple ascertainment cop facts, morpland, as facts, - connor the sworced from any natural Science. It must be an essential enternal part of the Knowledge of all viscous tof all medicines lofther action upon earhother. The cannot do without empiricion, therefore.

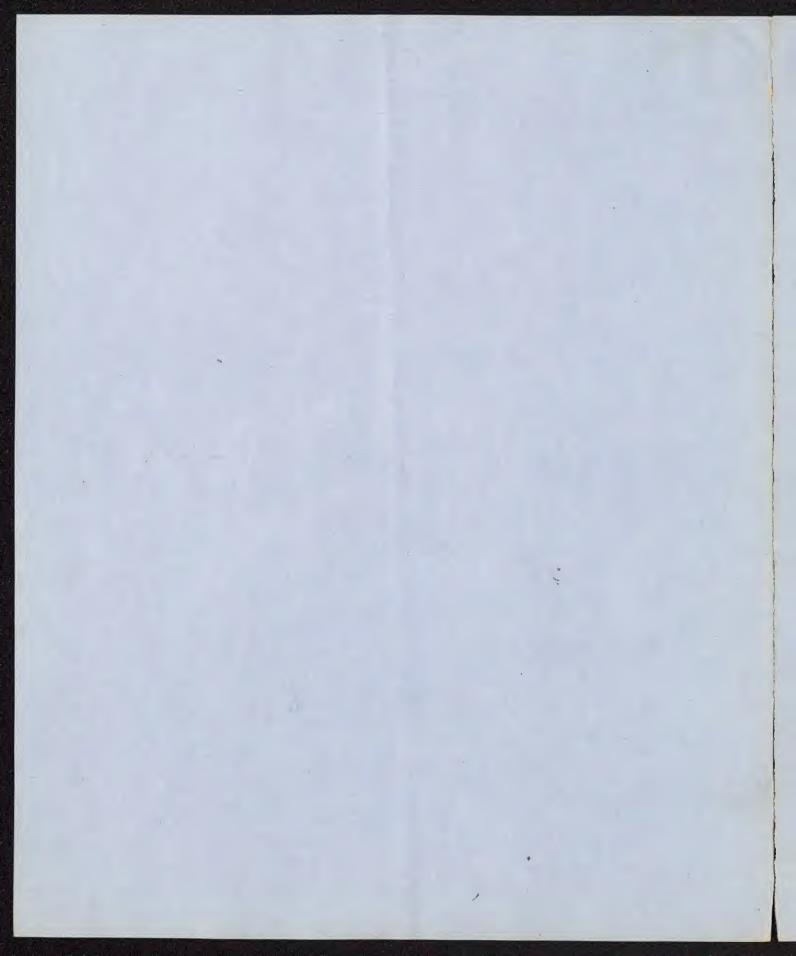


12ml, he mere orlection of un-- Systematizes facts is but the first Stop Toward The formation of al Icience: most especially, \_ when The collection of Those facts witself incomplete. The have not yet ment all the facts regarding any me single vapolity of fisense! Do you start is his assertion? Then, understand that I mean, - The radical, - intrinsic, essential Intlimate facts. of consemption; - of that of Intermettent here. Do me know the beginner of some to the the the the series mutition, an imperfect plusma: and they be Bennett may Say so & he will believed; but over then me to not get at the tottom of the matter. Ishy,

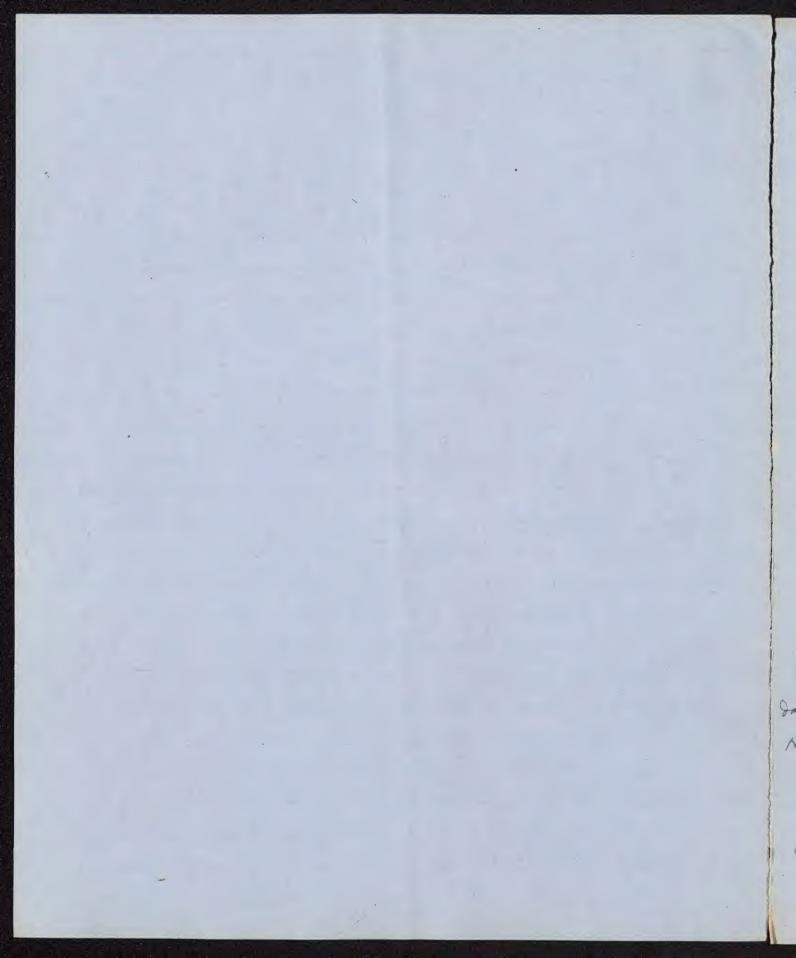
to speake of these imperfections of their favorite science But, now, I are home so much that is really valuable and so much more coming before us in certain anticopetion that we can speak of them, not only without fear but with emphasis; as things which in midself hament, but which must not, cannot exist much longer to be lamented.

At is wanted, that we should approved more nearly to the accuracy of observation characteristic of the other facences, as Botang, - Ecology, - astronomy, - to three when the Andrew Welly & place and souther upon a somilar basis of exactness.

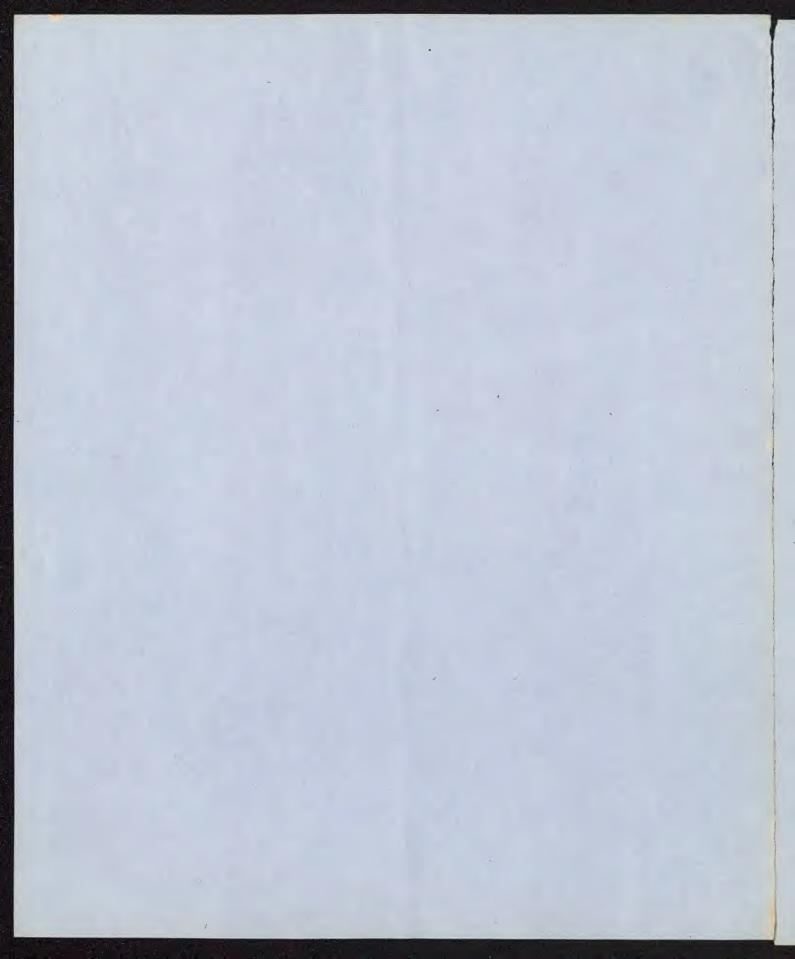
in some cices, does imperfert nutrition Cause marasmus, - or simple undiseases Emacration, - to the or structed growth Mebility, - and in other torofula, or tuter culisis. and who can tell the suftle in - fluence which caused, under the name of minsmalled, the various feners of our country? 33 or who can till, in full, six terms the enget pathology of themitted fine? Simple instances, - that our science is Deficient in facts! It may be over men base Deficient in their more of account nlating elementers facts. Therehis to little simplicity, accuracy, & deviction, - usually in The monner in which diseases, and the effects of remedies, Lawbernobeened, Described, and reasoned upon; and have the raque &



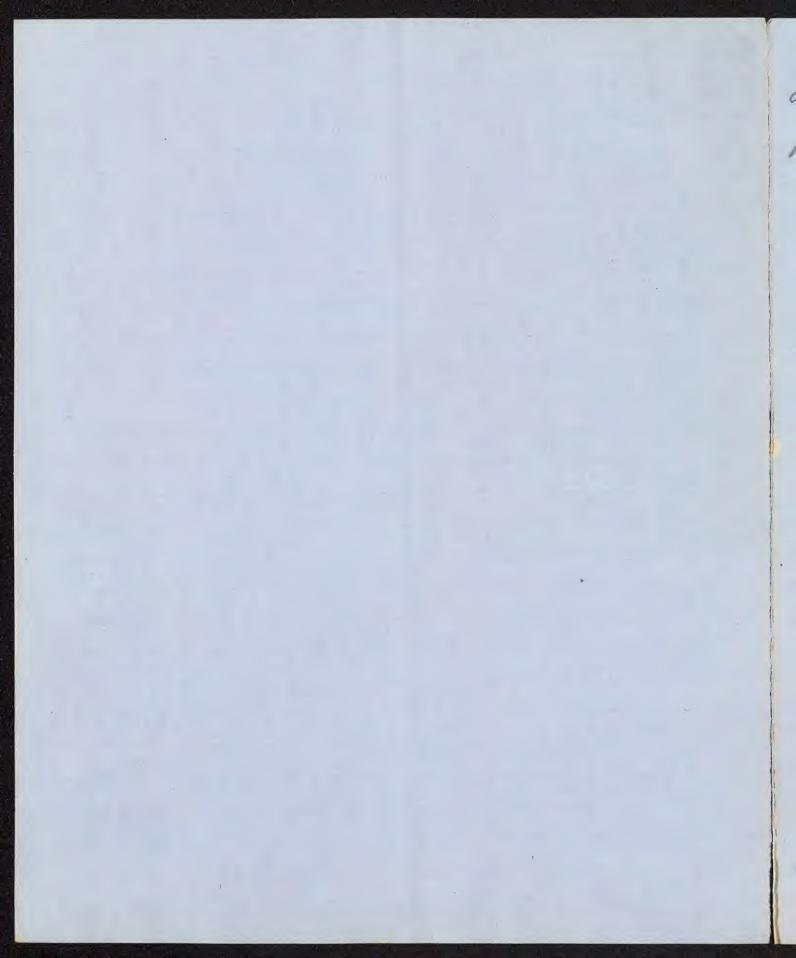
Gentlemen, - I do not wish to Des-- courage you at the outset of your Career as midical men, by this Desplay of the errors adeficiencies of The Forence and The art you have chosen; but, pather, to let the thought animate you of how much there willess which you may to, especially of from the very teginning of your studies, - you proceed step by step with a fun toging. a Conect method, and unering induction as a teacher of the Shithites of the Medicine, - I wish that you start see Amit is capable of principles, - that it has need of them, - and that we have new of took, every one and all of us, to establish them upon a fure found attemporate.



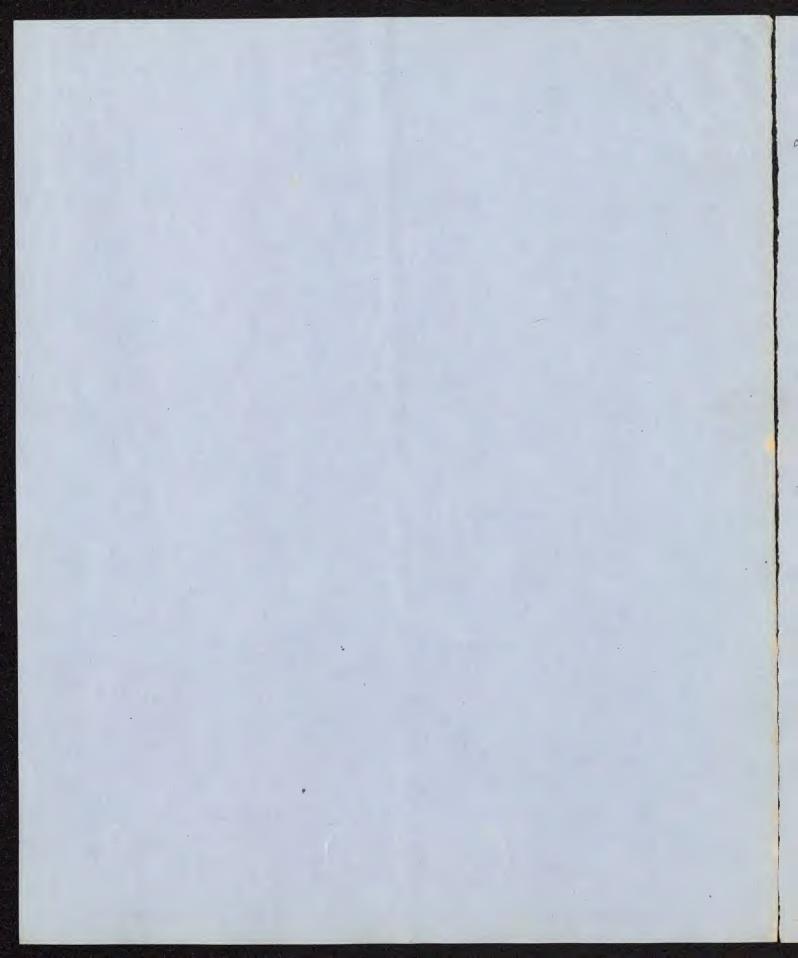
In Some expecial directions we many point out to you great fields of labor almost white unto heret, - waiting for ment earnest in pursuit of truth, to put in Their sickles and reup. me have, for instance, - The who le Hamaion of Physiology: a glorious Lound in itself ; almost asyst, in its infancy. For monther 2000 years have the functions of mais framework hear observed, commenter upon and recorded, - and interference with these functions boldly ventures upon in the remedial treatment of Dicense. and yet danker blood flowed from the weens but the heart Afron the heart back throng the Congo mit the System? Harrey wrote his treating " De moter Languenes my in 1879 or 1820. Who can tett us, today, - The uses of the splean, - so prominent an object in your Dessection of the upper atomen?



Saes of make, - or disintegrate blood. Dioles? Is it a devertimenten offlord, only, or a true gland! Hypothesis, like echo, ausmus, - in various language, all uncertain. And, in like anortainty rest The true use of the blood corpusiles Themselves; and of the tymphatic glands; and even, to some extent, of the tile. Nor can me give you, gentlemen, - anything like called the patienale of the brain and nervous system. Much of physiology list yet in backeness; but, who light penales this lody of obscurity & ret of so meat wonder, how great will be that light! When Physiology becomes a complete faire Then may puthology grow to completeness also; and a rational therapeuties may then alone have both, whose rubinents we



now see but as thro a glass, barbly. among Strict medical inquiries, -very great And surgenest of our Simple radical facts is wanting, especially as & the real Causes, - and he effect of Fishers and, as to the enach effects of medicines tothe remedial agencies upon the tody, as to The Causes, - and as to the effects of diseases, - and he true effects of remedies upon the body. In this is meanty course not the effects of upon symptoms merely, - but upon the actual Substances I more of action of the Different sorbed & fluid portions of the organism. This known, -we will have somether taughtle to act upon, -when now all is wrague and tentative, - a more science (or ofther and) of probabilities. But, I will leave this topic, - to well

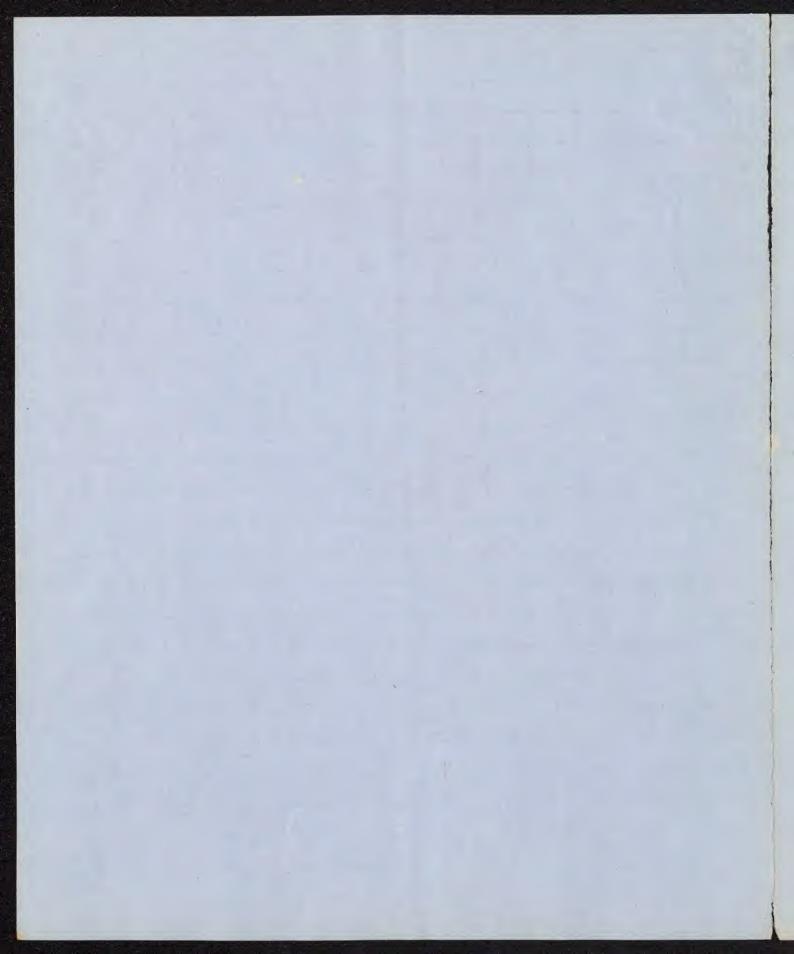


apon what will be vast more agreeable to your ears, - as well as to my own his art of medicine, - its their scientific promise, - and its high hope.

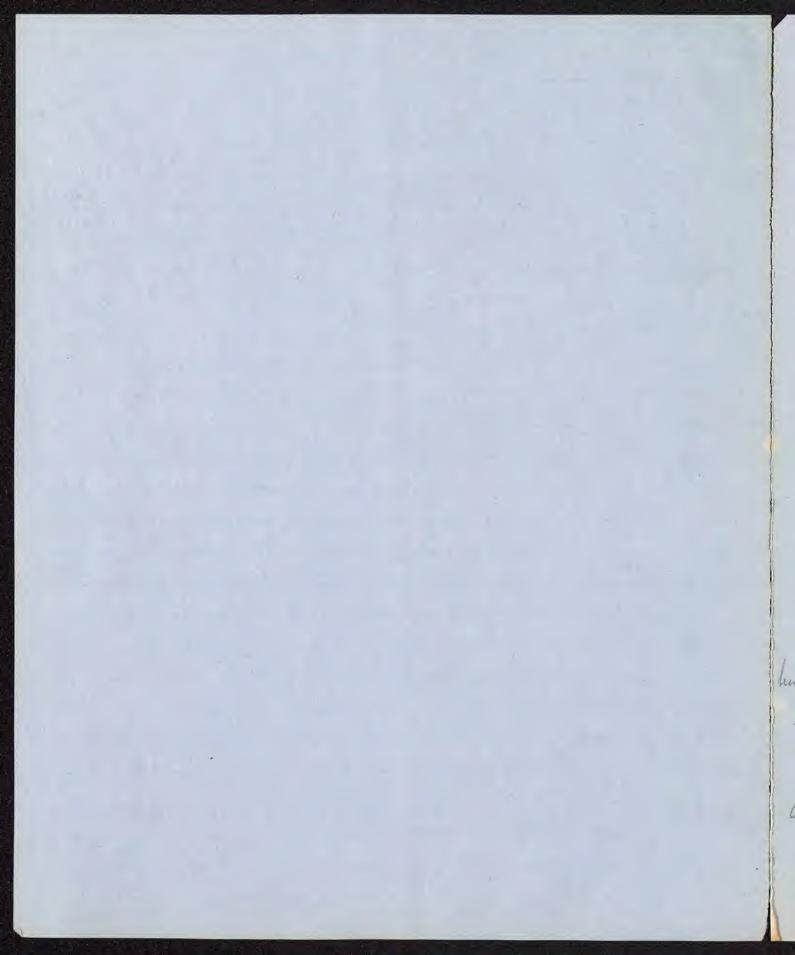
Jumes, Lamon, Lonio, - Ether, mines. Whensely se The lawery - opinion, - quinne, - mercury:

Dignof bellembrane is an science - to much granten of the ast & protection.

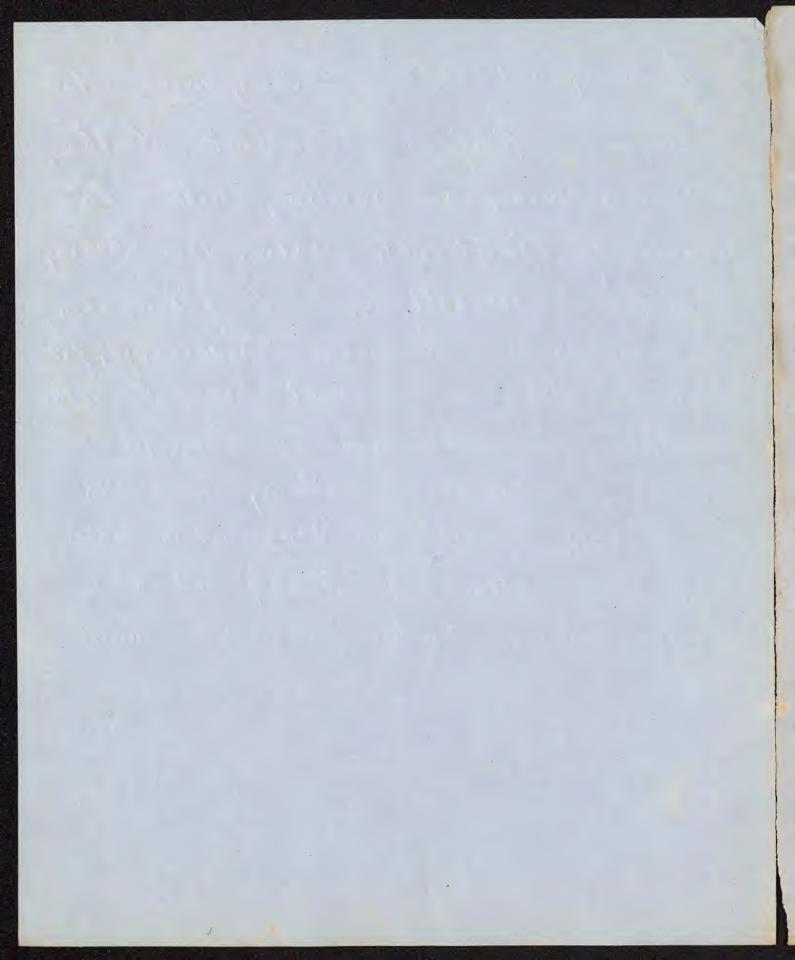
Albertiste - (dute, - Lamen, be) by Solumbia, - est Reach's acc of four. - when a black, when to C -? It will teleforening morte somm, - I must blush - be for court tell your know, - we sell her growing payetes the principle aparticle to my herrofts to have then sorting payetes is that of not Bromethean heft, or Photos some pointed as a protect to advance of the melfor of my species, - acquire man. help we are so existent to the form of my species. - to by secret to a greatest to be suited to the following of wellings to be complished street as a physical and a second of whether the second of wellings to be complished street as a physical and the second of wellings to be complished street as a physical and the second of wellings to be complished street as a physical and the second of wellings to be complished street as a physical and the second of wellings to be complished street as a physical and the second of wellings to be complished street as a physical and the second of wellings to be complished street as a physical and the second of wellings to be complished street as a physical and the second of wellings to be complished as a second of the second of well the second of the second



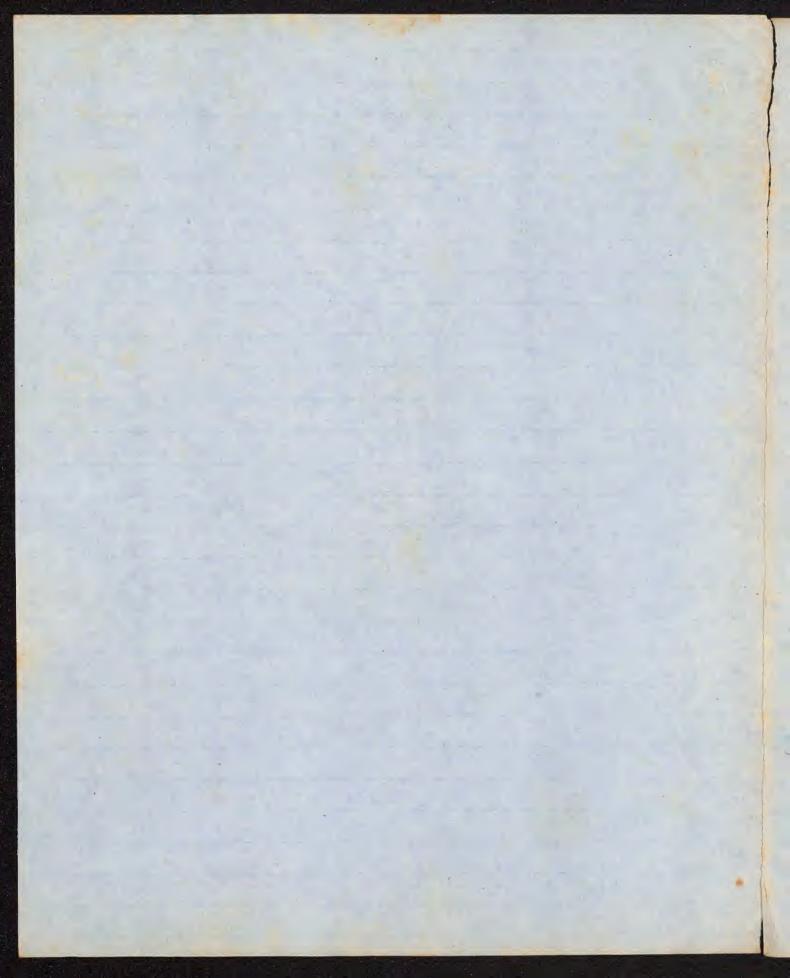
What name, stands higher among the great To estimate the real value of vaccination we should look back to theregens with whose hypinic history we are not many of us familiar, - when small por ans Pare of the greatest scowinges of the world; the Co-mite only of the Plague! In some has not get been introduced, we man and then hear ever at this day, - of its recurring its old powers and sweeping off the half of whole populations - and markey with more or less beformity the duronors. and scarcely less gratitude might be becreed by many Anffering and hembling men, and women too was in the milest of the most terrible of all woman's sufferings), - to those who, notine, of our our american Soil, first devised the means



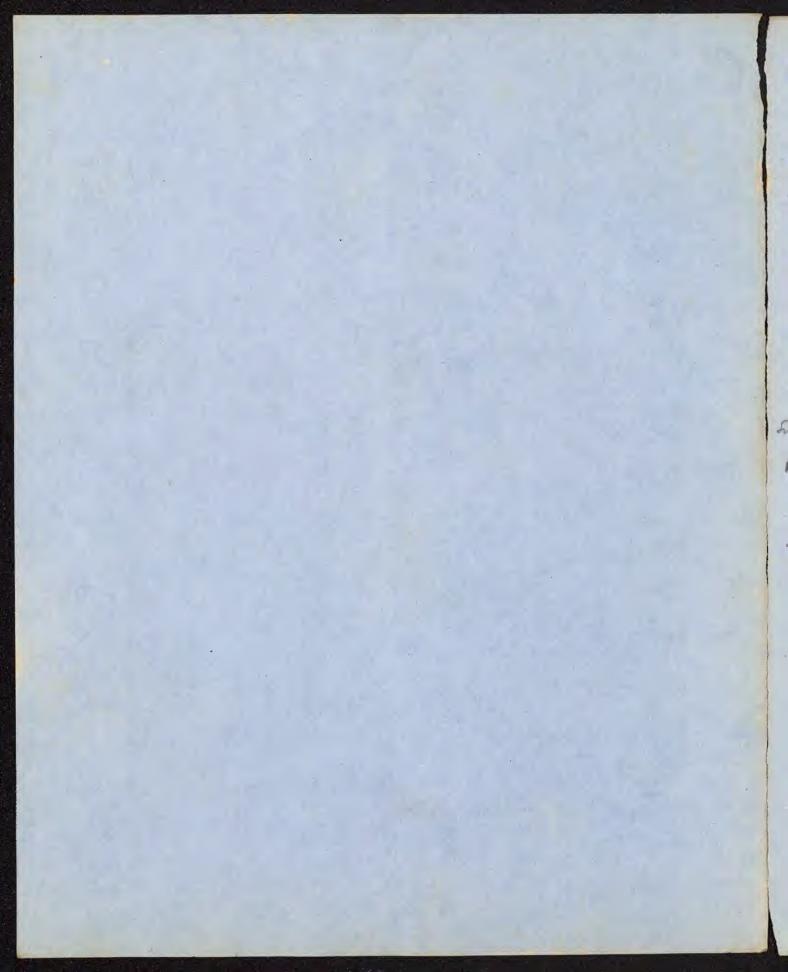
of easily and safely tending more than balm, - a perfect, transient Lethe, to never suring and swrettery with the agonies of intolerable pain. The blessing of artificial anosthesia, - of etherization of locat as an American Discovery; for although chloroform, the most powerful of the anostletus was introduced by stemper of Edinfungly - It was secondary in Galterand is more Doutful and Jangerous in use. of less brillians scripting, - much las hur achieved, - much has been the even idded to our closes when the Cast Century, - to which the physician may point with just pride. Chrembrugger and Laenner gave us principles by which may be applied the mechanism of acoustics to the appreciation of disease within the body;



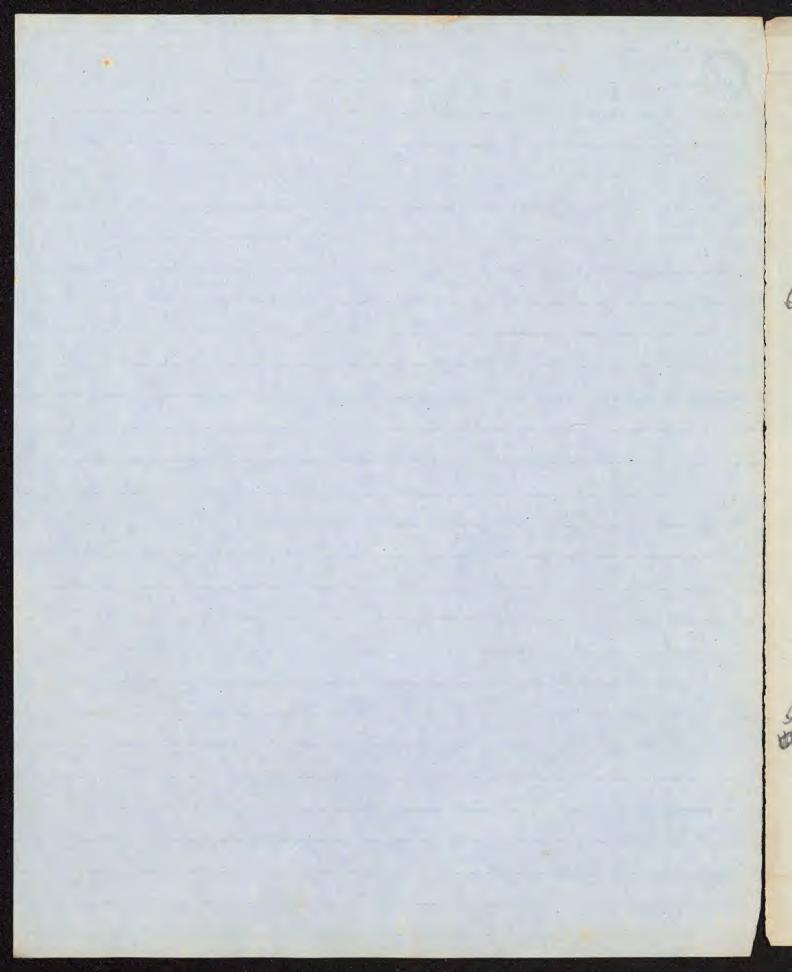
So many Thousand of had been, Since Hippoints' time, watching the Rotales of preumonia & pthisis & pt carried disease, - and no man ever thought of placing his ear to The chest, - or of even sounding the hollow theoretic walls as a compenter does with ansonry with his hammer, - how many, more Things must there be, which you and. I may Jiscore , - your Set our hearts upon it! It is worth while to think of this . = In the method of obtaining knowledge of Disease too, medical men are approaching a truer standard. with the name of Louis is as-Sociates what is called the Statistical or numerical mode of computation of disease & the results of treatment. It has been much decried, - as well as by some over rates, or rather mis apprehensed. It must be attained ar last, - as the only make of Allathing results



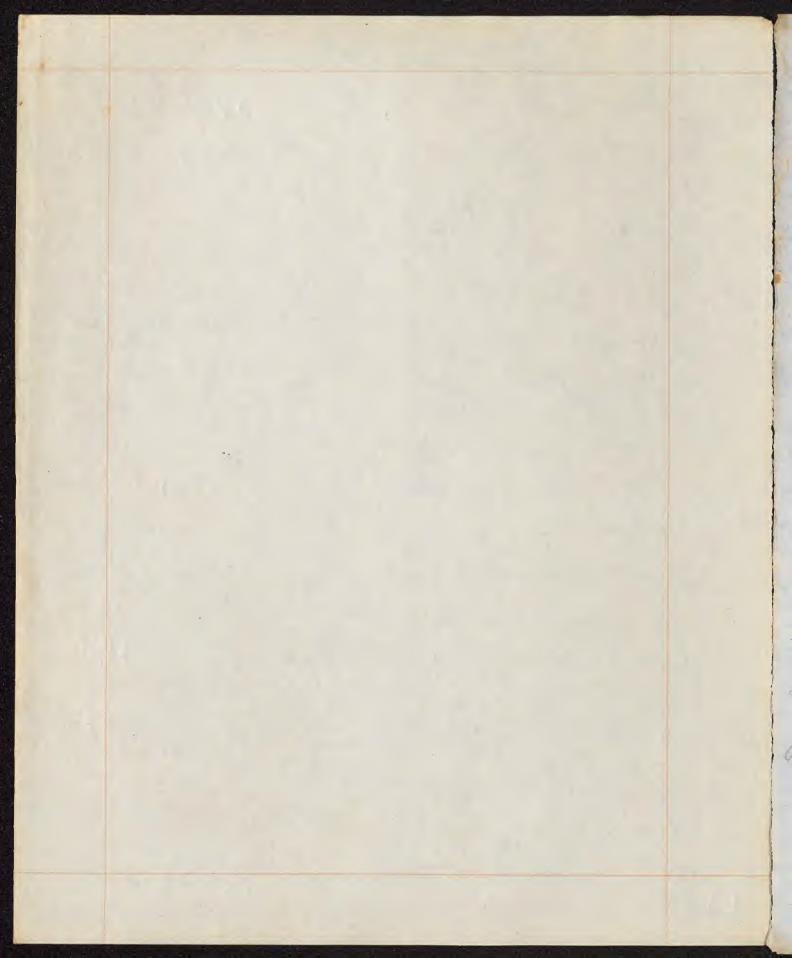
upon a scale of magnitude and with adeque of accuracy in proportion to the needs of our at. It is certainty not pas-- eith for any science of results to become perfect without mumerical details; it is only in The Kind of companion, - other whence of accuracy in the concomitant abservation & report, - that difficulties be which, so for have made statistical medical record a Thing to be wished for seldon obtained. the are going forward, however, in this as in other things. The microscope to opening a new world for us, - as vistamobilon our unaided ken as the telescopic heavens rise above us. It has altered the very language of lechnical med - come; has give a new alphaber to physicslogy; and is unravelling the mysteries of pathological the mentally well mentally almost in safety amis their obscurity. Chemistry more work to do haralps upon alps arise!



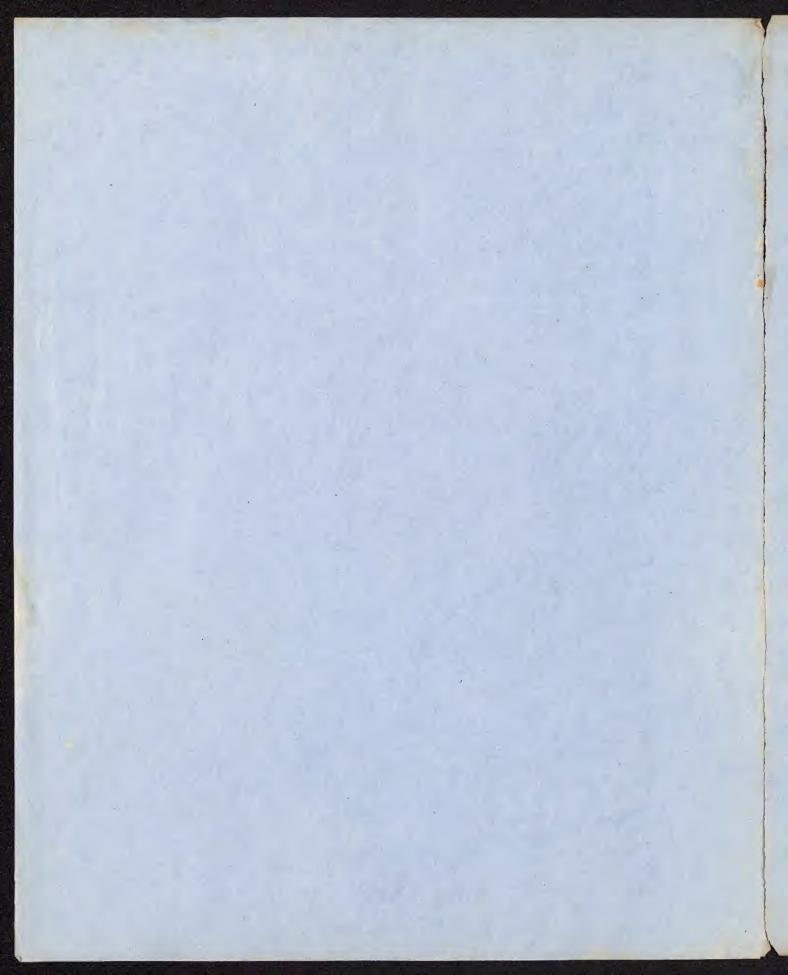
to you, gentlemen however, - who have chosen the strong of medicine, with, no Soult, a fiel appreciation of the treasures Harline, I have no need to vige any plea a argument in favor of it. Ido not need to mention opium, - quinine, - mercury; nor, the Cancel; - which once a very Nero amongst remoties - has now, unjustly, sunk to "none so poor to do it revenence!" have no need to enlogise an art to those who are enlisted for the But, it may be, will to unge you, once more before you buter on the hard Calor of the Session's stresy, - to have confidence in the Dignity of your pro-- fession. Does quackery alarm you? Hypocing Aprehension are but the tributes part by vice & ignorance to truth. The world would not crowd after the counterfect, - of the glowine metalonese not gold. Do you hear at times, and see and you not that the physician is not



not find, within these walls, any reficiency in the means, Ax materials, out promotine In my colleagues I say it without hesitancy, you will meet with energy, ability, and Carning, amply sufficient for all the purposes of course of motion instruction; was for chapely from the task Allow set before me, yet the refects, which willede great, and the growing course, which may be many, that you may have to reget shell Who make up, so far as possible, by earnest Devotion to my subject, and minterest in your Jentlemen, that it may prove no vain brand the College, though for from the largest in the country, many carn the much higher honor, of being amongst the best popul.



fritt masmata, My enso were gellow, - and yellownen was perceptable in my face. My pulse was preternaturally quickened, and I had profuse sweats every night. These societs new so offensive, as to oblige And to the he by alithe dose not only the smeets, but by the want of my usual sleep produces by frequent Burke at my horr, - and by anniety. I went to het from hatit only - foris ceased to affect me rest is represent. When It was luening I wishes for morning; and when it was which I often shaddered, coursed me to wish for the setum of coloring. " - " Met, - says this noble martyr to buty - "Artherto, the success of my practice game a tone to my mind, which imported preternatural vigor to my body. It was meat and drink to me to fulfil the duties



I oved to my fellow citizens, in This time of great and universal sistress. Now" - he entimes, time was too precious to be spent in counting the number of persons who calls on mefor aborce, I was othered to refuse many every Day, My sister counted 47 in one forenoon before cleven valock, Many of them left my door with tears but they did not feel more distress than I recollect, and even yet with pain, that I tore myself at me time from fine persons, in other wine elly, - who attempted to stop me, - by subsenly whipping my horse, and driving my chaking as specially as possible begins the reach of their cries! Sat account; - you may be tow, in these times

that try men's sould! - the physician is valued.

